



PATENT

-1-

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of ) Group Art Unit: 2634  
Abhijit G. Shanbhag et al. ) Confirmation No.: 6928  
Application No. 10/768,408 ) Examiner: Curtis B. Odom  
Filed: January 30, 2004 )  
For: DECISION FEEDBACK EQUALIZER ) Vedder, Price, Kaufman &  
WITH DYNAMIC FEEDBACK ) Kammholz, P.C.  
CONTROL ) 222 North LaSalle Street  
 ) Chicago, Illinois 60601  
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 )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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*NOV. 10, 2005* *Nanette Combs*  
Date Nanette Combs

Sir:

Submitted herewith are patents, publications or other information may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

This Information Disclosure Statement:

- (a) [ ] accompanies the new patent application submitted herewith. 37 C.F.R. § 1.97(b).
- (b) [ ] is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 C.F.R. § 1.491.
- (c) [ ] as far as is known to the undersigned, is filed before the mailing date of a first Office Action on the merits.
- (d) [X] is filed after the first office action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever occurs first, and is accompanied by either the fee (\$180) set forth in 37 C.F.R. § 1.17(p) OR a certification as specified in 37 C.F.R. § 1.97(e), as checked below.

(e) [ ] is filed after the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and is accompanied by the fee (\$180) set forth in 37 C.F.R. § 1.17(p) and a certification as specified in 37 C.F.R. § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

[If either of boxes (d) or (e) are checked above, the following "certification" under 37 C.F.R. § 1.97(e) may need to be completed.] The undersigned certifies that:

(f) [ ] each item of information contained in the information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

(g) [ ] no item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this information disclosure statement.

For purposes of patent term adjustment, the undersigned states that:

(h) [ ] each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of the information disclosure statement. 37 C.F.R. § 1.704(d).

A list of the patent(s) or publication(s) is set forth on the attached Form PTO-SB/08.

A copy of the items on Form PTO-SB/08 is supplied herewith:

(i) [ ] each (j) [ X ] none (k) [ ] only those listed below:

Those patent(s) or publication(s) which are marked with an asterisk (\*) in the attached Form PTO-SB/08 are not supplied because they were previously cited by or submitted to the Office in a prior application no., filed and relied upon in this application for an earlier filing date under 35 U.S.C. § 120.

A concise explanation of relevance of the items listed on Form PTO-SB/08 is:

(l) [X] not given

(m) [ ] given for each listed item

(n) [ ] given for only non-English language listed item(s) [Required]

(o) [ ] is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references [copy attached].

The Examiner is reminded that a "concise explanation of the relevance" of the submitted items "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention," MPEP § 609.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

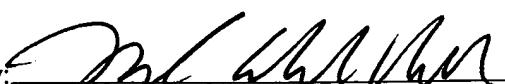
In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98 and MPEP § 609 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge our Deposit Account No. 22-0259 for any fees required in connection with the filing of this Information Disclosure Statement. In particular, in the event that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is authorized to charge the above-named deposit account for any fees required pursuant to C.F.R. §§ 1.17(p) or 1.17(i)(1).

Respectfully submitted,  
VEDDER, PRICE, KAUFMAN & KAMMHOLZ, P.C.

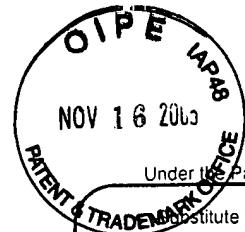
Dated: Nov. 10, 2005

By:

  
Mark A. Dalla Valle  
Reg. No. 34,147

Attorney for Assignee

Atty. Docket No: 11471.00.0017



NOV 16 2003

PTO/SB/08A (07-05)

Approved for use through 07/31/2006, OMB 0651-0031

Approved for use through 07/01/2008. GMB 0551-0551  
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet 1 of 1

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

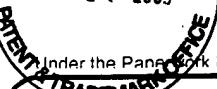
Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

180.00

## Complete if Known

Application Number	10/768,408
Filing Date	January 30, 2004
First Named Inventor	Abhijit G. Shanbhag
Examiner Name	Curtis B. Odom
Art Unit	2634
Attorney Docket No.	11471.00.0017

## METHOD OF PAYMENT (check all that apply)

 Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

 Deposit Account Deposit Account Number: 22-0259 Deposit Account Name: VEDDER PRICE

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## FEE CALCULATION

## 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES	
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity
Utility	300	150	500	250	200	100
Design	200	100	100	50	130	65
Plant	200	100	300	150	160	80
Reissue	300	150	500	250	600	300
Provisional	200	100	0	0	0	0

## 2. EXCESS CLAIM FEES

## Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

## Small Entity

Fee (\$) Fee (\$)

50 25

200 100

360 180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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## Multiple Dependent Claims

Fee (\$) Fee Paid (\$)

- 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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Fee (\$) Fee Paid (\$)

- 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

## 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
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- 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

Fees Paid (\$)

4. OTHER FEE(S)	Non-English Specification, \$130 fee (no small entity discount)	180.00
Other (e.g., late filing surcharge): Information Disclosure Statement Fee		

## SUBMITTED BY

Signature		Registration No. 34,147 (Attorney/Agent)	Telephone 312-609-7620
Name (Print/Type)	Mark A. Dalla Valle	Date Nov. 10, 2005	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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